Session II

Bruce Mehlman – DoC

	US has best Technology Transfer system in world. Other countries are copying. Have plenty of room for improvement Innovation is key driver of future prosperity Complexity in R&D/Appl will introduce new challenges to Tech Transfer Is there a roll for Tech Transfer? Yes: use tools as appropriate Realistic Expectations: have some misconception on both side What works well:	
	What needs improvement: Tech Transfer FTE's need to have better incentives, higher level access, better resources. University support TT professional at much higher level than in government. Need better means to get info to small/med businesses. Need more of culture of taking TT risks.	
	Inherent conflicts: cultural w/industry; mission; public vs. private Will TT get harder? US competing for best and brightest; government missions consistency; future complexity in tech partnerships; competition alternatives to government labs.	
	PCAST report out soon. Does not address resources for funding Technology Transfer yet.	
Dr. Pat looney – OSTP		
	OSTP Mission: Government participation: prototype level development in gray area. Current frontiers in R&D: Science push, society pull, R&D environment. Challenges in R&D strategy: shifting R&D budget allocations, human resource issues, R&D organizational issues (stovepipe, etc.), including international competition. Some key charts on history of R&D funding and performers of national R&D system; and human capital show shifting national interests toward Bio-tech with nanotech emerging. Will need much more diverse workforce to meet technology demands in future.	
Mr. Chris Roberts – PixSel		
	Business view of R&D commerce TT from Government to Industry	
	management teams (80% success) 3 critical factors for Government to Business collaboration innovation	

	 Staffing
	 Metrics/objectives
	Financing
	Key players on successful Entre'l Tech Venture:
	 Idea generator, creative thinker
	 Product champion
	o Program manager
	o Resource sponsor, financier, coach
	Program metrics: Government vs. Business (NIH & taxol license fee as example)
	Financing issues: VC's generally don't do financing
	☐ < ~\$2M, investment typical, good management team is minimum
	requirement, design once build many is objective
	VC business status (aerospace not seem as profitable in area)
	Different approaches to collaborative R&D
	Recommendations for Government programs
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Dr. Tom Stackhouse – NIH	
	NCI does Tech Transfer for other 12 institutes in NIH
	NCI does only CRADA's, but would like to use "Other Transactions" from
	NASA.
	NCI has multiple collaboration model in CRADA
	AP4 (Academic Public Partnership Program)
	 New partnership type organization
	 Includes government acting in close 'company' type arrangement
	 Extensive interaction and collaboration between industry and government